

Bovine Heat Shock 27kDa Protein 1 (HSPB1) ELISA Kit | HSPB1 elisa kit

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CATALOG #
AAA66783

REACTIVITY
Bovine

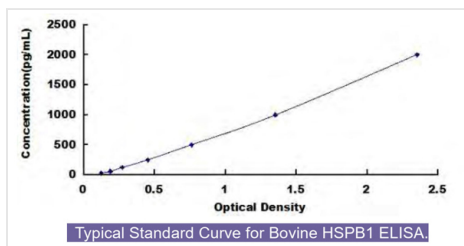
PRODUCT SYNONYMS

Heat Shock 27kDa Protein 1 (HSPB1); Bovine Heat Shock 27kDa Protein 1 (HSPB1) ELISA Kit; HSP27; HSP-B1; CMT2F; HSP28; Hsp25; Heat Shock Protein 27; 28 kDa heat shock protein; Heat shock protein beta-1; Estrogen-regulated 24 kDa protein;; HSPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPB1. No significant cross-reactivity or interference between HSPB1 and analogues was observed.
Sequence Length	201
Assay Type	Quantitative Sandwich
Samples	Bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	31.2-2000pg/mL
Sensitivity	< 11.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSPB1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSPB1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPB1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSPB1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSPB1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HSPB1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of HSPB1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HSPB1 in bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	529007450
NCBI GeneID	516099
NCBI Accession #	XP_005225172.1
NCBI GenBank Nucleotide #	XP_005225172.1
UniProt Accession #	Q3T149
Molecular Weight	22,393 Da
NCBI Official Full Name	heat shock protein beta-1 isoform X1
NCBI Official Symbol	HSPB1
NCBI Protein Information	heat shock protein beta-1
UniProt Protein Name	Heat shock protein beta-1
UniProt Gene Name	HSPB1
UniProt Synonym Gene Names	HSP27; HspB1; HSP 27

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.